

| Location | James Ranch | Animas @ Purple Cliffs | Animas @ Lightner Creek | Animas @ 32nd St Bridge | | | Animas @ Bakers Bridge | |
|-------------|--------------|------------------------|-------------------------|-------------------------|-------|-------|------------------------|-------|
| Description | Single Value | Single Value | Single Value | Average | MIN | MAX | Average | MIN |
| Aluminum | 429 | 612 | 449 | 229 | 171 | 348 | 441.2 | 234 |
| Antimony | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Arsenic | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Barium | 31.3 | 45.6 | 37.5 | 46.525 | 40.6 | 49.9 | 32.9 | 29.9 |
| Beryllium | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 |
| Cadmium | 0.5 | 0.5 | <0.500 | 0.5 | 0.5 | 0.5 | 0.566 | 0.5 |
| Calcium | 30800 | 37400 | 37600 | 49825 | 43500 | 52200 | 36400 | 25200 |
| Chromium | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Cobalt | 0.583 | 0.506 | 0.5 | 3.88 | 0.5 | 5 | 1.21 | 0.831 |
| Copper | 4 | 4 | 3.59 | 2.87 | 2.5 | 3.31 | 3.38 | 2.5 |
| Iron | 423 | 743 | 525 | 361 | 295 | 448 | 413 | 317 |
| Lead | 2.32 | 5.64 | 3.62 | 2.71 | 1.8 | 3.46 | 4.26 | 0.642 |
| Magnesium | 3740 | 5430 | 5320 | 6850 | 6050 | 7160 | 4044 | 2560 |
| Manganese | 224 | 133 | 128 | 118 | 113 | 122 | 358 | 272 |
| Mercury | NA | NA | NA | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| Molybdenum | NA | NA | NA | 1 | 1 | 1 | 1 | 1 |
| Nickel | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Potassium | 909 | 1490 | 1410 | 1990 | 1750 | 2110 | 860 | 692 |
| Selenium | 5 | 5 | 5 | 5 | 5 | 5 | 4.375 | 2.5 |
| Silver | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Sodium | 3150 | 6710 | 6790 | 10568 | 8970 | 11300 | 2125 | 1800 |
| Strontium | 272 | 367 | 379 | 463 | 463 | 463 | 445 | 273 |
| Thallium | 2.5 | 2.5 | 2.5 | 7.55 | 2.5 | 13.2 | 3.05 | 2.5 |
| Vanadium | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Zinc | 102 | 75.8 | 82.4 | 75.2 | 67.7 | 81.2 | 165 | 126 |

Non-Detect or impacted by non-detects. Detection limit is shown.

NA Not analyzed

UTL 95% Upper Tolerance Limit with 90% Coverage

| s @ Bakers Bridge | Animas near Durango | A72 | | | A72 | | | |
|-------------------|---------------------------|---------|-------|-------|---------------|------------------|-------------------|-------------------|
| MAX | Average | Average | MIN | MAX | Normal UTL | Lognormal UTL | Gamma UTL - WH | Gamma UTL - HW |
| 835 | 432 | 2446 | 1110 | 4440 | 4401 | 5061 | 4730 | 4797 |
| 2.5 | 3 | 2.5 | 2.5 | 2.5 | NA | NA | NA | NA |
| 2.5 | 3 | 3.4 | 1 | 4 | NA | NA | NA | NA |
| 37 | 39 | 25 | 25 | 25.5 | NA | NA | NA | NA |
| 10 | 2 | 1.6 | 0.2 | 10 | NA | NA | NA | NA |
| 0.832 | 1 | 2.0 | 1.11 | 2.8 | 3.255 | 3.633 | 3.463 | 3.5 |
| 61200 | 38405 | 70100 | 49100 | 91100 | NA | NA | NA | NA |
| 5 | 5 | 3.1 | 0.5 | 5 | NA | NA | NA | NA |
| 1.93 | 1 | 5.2 | 2.87 | 7.51 | NA | NA | NA | NA |
| 4.15 | 4 | 31.3 | 10.3 | 46.7 | 52.45 | 68.4 | 60.1 | 61.66 |
| 500 | 493 | 3949 | 1340 | 7710 | 77.67 | 9,981 | 8780 | 9009 |
| 14.5 | 4 | 6.6 | 3.42 | 14.2 | NA | 13.2 | 12.8 | 12.9 |
| 5970 | 5077 | 5010 | 3820 | 6200 | NA | NA | NA | NA |
| 561 | 192 | 1728 | 884 | 2920 | 3109 | 3578 | 3353 | 3400 |
| 0.05 | 0 | NA | NA | NA | NA | NA | NA | NA |
| 1 | 1 | NA | NA | NA | NA | NA | NA | NA |
| 2.5 | 3 | 4.2 | 0.7 | 7 | NA | NA | NA | NA |
| 1250 | 1332 | 969 | 668 | 1270 | NA | NA | NA | NA |
| 5 | 5 | 1.3 | 0.2 | 5 | NA | NA | NA | NA |
| 2.5 | 3 | 0.7 | 0.1 | 2.5 | NA | NA | NA | NA |
| 3010 | 5869 | 3005 | 2410 | 3600 | NA | NA | NA | NA |
| 616 | 385 | 755 | 530 | 980 | NA | NA | NA | NA |
| 4.7 | 4 | 2.5 | 2.5 | 2.5 | NA | NA | NA | NA |
| 10 | 10 | 10 | 10 | 10 | NA | NA | NA | NA |
| 264 | 100 | 778 | 391 | 1150 | 1314 | 1509 | 1418 | 1438 |

| Location | James Ranch | Animas @ Purple Cliffs | Animas @ Lightner Creek | Animas @ 32nd St Bridge | | | Animas @ Bakers Bridge | |
|-------------|--------------|------------------------|-------------------------|-------------------------|-------|-------|------------------------|-------|
| Description | Single Value | Single Value | Single Value | Average | MIN | MAX | Average | MIN |
| Aluminum | 68 | 60.7 | 51.1 | 25.1 | 20 | 40.4 | 53.3 | 26.2 |
| Antimony | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Arsenic | 0.5 | 0.5 | 0.5 | 0.558 | 0.5 | 0.628 | 0.5 | 0.5 |
| Barium | 32.3 | 32.8 | 35.1 | 46.5 | 42.8 | 49.3 | 31.3 | 29.8 |
| Beryllium | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cadmium | 0.284 | 0.1 | 0.134 | 0.178 | 0.16 | 0.19 | 0.404 | 0.274 |
| Calcium | 32100 | 39500 | 39900 | 50475 | 47100 | 52200 | 37540 | 25800 |
| Chromium | 1 | 1.01 | 1 | 2.38 | 1 | 3.06 | 1 | 1 |
| Cobalt | 0.637 | 0.171 | 0.216 | 0.2955 | 0.222 | 0.332 | 1.21 | 0.905 |
| Copper | 1.76 | 1.79 | 1.82 | 1.5625 | 1.37 | 1.7 | 1.64 | 0.5 |
| Iron | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Lead | 0.1 | 0.237 | 0.212 | 0.141 | 0.1 | 0.24 | 0.34 | 0.1 |
| Magnesium | 3690 | 5310 | 5300 | 7000 | 6250 | 7350 | 4062 | 2590 |
| Manganese | 192 | 40.2 | 55.2 | 96.625 | 78.7 | 105 | 351 | 254 |
| Nickel | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.665 | 0.552 |
| Potassium | 868 | 1400 | 1360 | 1902.5 | 1740 | 2020 | 763 | 631 |
| Selenium | 1 | 1 | 1 | 1 | 1 | 1 | 0.875 | 0.5 |
| Silver | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Sodium | 2890 | 6510 | 6550 | 10757.5 | 9030 | 11600 | 2110 | 1740 |
| Strontium | 253 | 357 | 373 | 462 | 462 | 462 | 441 | 272 |
| Thallium | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Vanadium | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Zinc | 80.5 | 34.7 | 41.5 | 47.0 | 37.8 | 57.5 | 116 | 53.5 |

Non-Detect or impacted by non-detects. Detection limit is shown.

NA Not analyzed

UTL 95% Upper Tolerance Limit with 90% Coverage

-- ROS method.

| s @ Bakers Bridge | Animas near Durango | A72 | | | A72 Upper Tolerance Limits | | | | |
|-------------------|---------------------------|---------|-------|--------|----------------------------|------------------------------|-----------------------------|------------------|---------------------------------|
| MAX | Average | Average | MIN | MAX | Normal UTL | Normal UTL DL/2 Method | Normal UTL MLE Method | Lognormal UTL | Lognormal UTL DL/2 Method |
| 76.9 | 51.6 | 712 | 25 | 3290 | -- | -- | -- | -- | 7175 |
| 0.5 | 0.5 | 1 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| 0.5 | 0.512 | 3 | 0.5 | 4 | -- | -- | -- | -- | -- |
| 33.2 | 35.6 | 25 | 23 | 26.5 | -- | -- | -- | -- | -- |
| 2 | 2 | 1 | 0.2 | 2 | -- | -- | -- | -- | -- |
| 0.704 | 0.220 | 2 | 1.19 | 2.8 | 3.184 | -- | -- | 3.518 | -- |
| 63300 | 39903 | 84307 | 51200 | 127000 | -- | -- | -- | -- | -- |
| 1 | 1.28 | 3 | 0.5 | 5 | -- | -- | -- | -- | -- |
| 1.85 | 0.507 | 5 | 2.98 | 6.77 | -- | -- | -- | -- | -- |
| 2.28 | 1.714 | 20 | 3.02 | 36.9 | -- | 41.23 | 43.27 | -- | 62.45 |
| 100 | 100 | 1773 | 443 | 3250 | 3486 | -- | -- | 5007 | -- |
| 0.5 | 0.206 | 1 | 0.1 | 2.7 | -- | 2.236 | -- | -- | 4.343 |
| 6060 | 5072 | 5794 | 3920 | 8500 | -- | -- | -- | -- | -- |
| 546 | 147 | 1721 | 863 | 2880 | 3081 | -- | -- | 3564 | -- |
| 0.788 | 0.533 | 4 | 0.7 | 8.2 | -- | -- | -- | -- | -- |
| 1080 | 1259 | 1002 | 170 | 1410 | -- | -- | -- | -- | -- |
| 1 | 0.975 | 1 | 0.2 | 1 | -- | -- | -- | -- | -- |
| 0.5 | 0.5 | 0 | 0.1 | 0.5 | -- | -- | -- | -- | -- |
| 3120 | 5764 | 3771 | 2420 | 5110 | -- | -- | -- | -- | -- |
| 609 | 377 | 746 | 523 | 969 | -- | -- | -- | -- | -- |
| 0.5 | 0.5 | 1 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| 2 | 2 | 2 | 2 | 2 | -- | -- | -- | -- | -- |
| 241 | 63.9 | 764 | 362 | 1170 | 1297 | -- | -- | 1504 | -- |

Performance Limits

| Lognormal UTL Log ROS Method | Gamma UTL - WH | Gamma UTL - HW |
|---------------------------------------|-------------------|-------------------|
| 8238 | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| -- | 3.371 | 3.403 |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| 64.22 | 51.19 | 53.84 |
| -- | 4131 | 4288 |
| 4.094 | 3.389 | 4.68 |
| -- | -- | -- |
| -- | 3331 | 3379 |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |
| -- | 1405 | 1426 |

Note lead UTLs may not be accurate due to low detection frequency